



Global supply chains are hyper-connected models of efficiency and risk. Ports globally process well over 200 million container movements per year. While under great pressure to maintain security and efficiency, port operators are penalized for supply chain interruptions. Customers are demanding visibility on the status of goods at key stages of the shipping process in order to meet service commitments, and to enable adherence to industry and government mandates around the transit of goods.

AssetTrace In-transit Platform is designed to deliver real-time actionable knowledge of location, identification, environmental conditions, and compliance to mandated procedures and documentation. It provides visibility to the status of goods 'in motion' as they move across each 'link' in the supply chain by leveraging multiple traceability technologies such as barcodes, active and passive RFID, GPS, and satellite tracking and communications include cellular, broadband, wired, and satellite, among others.

#### **Improve Customer Service**

With AssetTrace In-Transit, responding to customer inquiries is greatly simplified; moreover, proactively managing the customer relationship is now possible. Throughout the shipment process, the shipment is continuously monitored, providing location information and alerts on a variety of conditions. Customers can be informed in a timely manner of changes in delivery schedule.

#### **Reduce Insurance Costs**

Having greater control and knowledge of the condition of the shipment throughout the process can result in lower insurance costs due to lower risk. This is especially true in the cases of "secure" shipments that require tamper proof seals and "refrigerated" shipments that require the temperature be maintained within a specified range.

#### **Improve Visibility of In-Transit Activities**

Sensor-based technologies can be used to provide a wealth of information on the shipment. GPS, GPRS, and GSM Cellular technologies can provide location; temperature sensors can monitor temperature at regular intervals; vibration sensors can monitor whether a package or shipment has been dropped; tamper seals can provide alerts if a package or container is opened during shipment.

#### **Improve Supply Chain Management**

AssetTrace In-Transit can be of benefit to all elements of the supply chain. Shipment visibility has value to the manufacturer, the freight forwarder, the carrier, the insurance provider, and the customer. Supply chain managers at various levels can work more effectively with suppliers, partners, carriers, and customers to insure compliance with agreed service levels, policies, and best practices.